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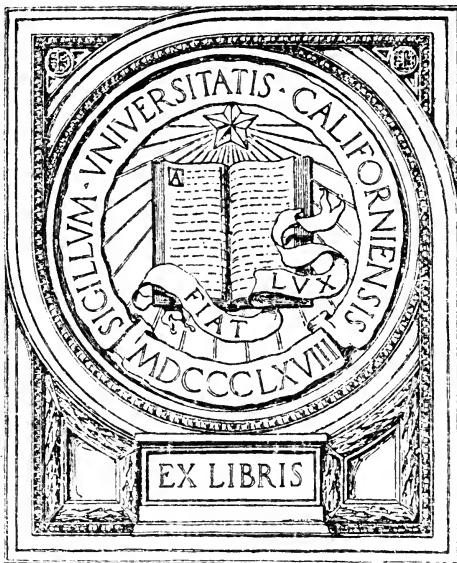
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I

A CLASSIFICATION OF THE LITERATURE OF AGRICULTURE

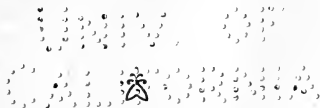
BY

J. I. WYER JR.

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U. S. AGRICULTURAL EXPERIMENT STATION

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A CLASSIFICATION OF THE LITERATURE OF AGRICULTURE

ENLARGED FROM THE DECIMAL CLASSIFICATION OF MELVIL DEWEY

J. I. WYER, JR.

This classification of the literature of agriculture is the result of an attempt to arrange satisfactorily, in minute subject order, the literature on agricultural topics which has accumulated at the University of Nebraska library during the past ten years.

The University library is classified according to the decimal classification of Mr. Melvil Dewey, but it was found at once, as is well known, that the section relating to Agriculture in Mr. Dewey's scheme is entirely inadequate for any extensive collection of agricultural books. Upon further search it was found that there is not in print any scheme which is sufficiently detailed in all branches to satisfactorily arrange a library for specialists.

The "Key to subject index of agricultural literature" used in the classification of the card index issued from the Office of Experiment Stations contains only 142 heads and is especially incomplete in Animal Husbandry, Horticulture, and Soils. The "Suggested Classification of Agriculture," by W. P. Cutter, submitted at the twelfth annual convention of the Association of American Agricultural Colleges and Experiment Stations, contains about 350 heads, and so far as it goes is extremely good and the sections on Fertilizers and Field Crops have been incorporated in the present work with slight changes. This scheme, too, is not detailed enough in Animal Husbandry or in Ornamental Horticulture and Floriculture. The chief objection, however, to Mr. Cutter's plan is that, while he says in his note that "The numbers used are those which would fit into the deci-

mal system of Mr. Melvil Dewey," the truth is that any library having numbered its books by Mr. Dewey's system would be obliged, in order to adopt Mr. Cutter's plan, to renumber almost all of them. In nearly every case where Mr. Cutter has departed from the D. C. numbers there seems to have been no reason why the D. C. numbers could not have been used just as well with the immense added advantage of absolute uniformity between the two plans. This is a very unfortunate matter because, as Mr. Cutter himself says in his preface, more than half the agricultural libraries which have adopted any scheme of classification are using the Dewey system, and it is also in use in probably three-quarters of all American libraries. If, then, any new and detailed plan is put forth, it will contribute immeasurably to its economic application to libraries already using the D. C. if, instead of the great labor of changing all numbers, the books can simply be thrown into a logical and minute subject arrangement by merely adding further figures to the original D. C. numbers. To libraries not now classified on any plan the following scheme is commended as one which can be used, with the assurance that it is based on, and easily applicable to, the library classification which is in widest use throughout the world and which is rapidly winning its way into further use with new libraries.

The present plan contains nearly 600 heads, and an index is added so that all subjects for which heads are provided may be easily and promptly classified without a study of the whole scheme. It is believed that the present plan is detailed enough to readily provide for the most specialized agricultural literature, except in the department of Floriculture. This subject has been purposely omitted, as there seems no agreement among experts as to the form which should be given to a classification of its literature and there is nothing extant in the shape of previous efforts to serve as a satisfactory guide.

In constructing this classification the books themselves have been constantly before me, and in adding or rejecting heads the test has usually been, Is there any literature on this subject,

either in the library at hand or in any recent bibliographies of agriculture? The libraries of the experiment stations of Minnesota and Wisconsin have also been visited and the classification tested and amended by reference to their shelves.

In addition to the above reference to the use made of sections of Mr. W. P. Cutter's classification it should be stated that the section on Garden Crops is adopted from a plan printed by Prof. Liberty Hyde Bailey in the *Annals of Horticulture* for 1891.

To Prof. T. L. Lyon, Acting Director of the Nebraska Experiment Station, Prof. R. A. Emerson, head of the Department of Horticulture at the University of Nebraska, and Prof. E. A. Burnett, of the Department of Animal Husbandry in the same institution, I must acknowledge my indebtedness for valuable assistance in the preparation of this work.

J. I. WYER, JR.,

Librarian, University of Nebraska.

CLASSIFICATION.

630 Agriculture.

- .1 Economics—Farm management.
- .11 Laying out farm.
- .12 Rents.
- .13 Farm accounts.
- .14 Seeds.
- .15 Machinery, tools, and implements.
- .16 Agricultural chemistry. See also 631.1, 637.5,
637.9.
- .17 Agricultural physics. See also 631.14.
- .2 Farm architecture.
- .21 Houses.
- .22 Barns.
- .23 Granaries.
- .24 Carriage houses.
- .25 Machine sheds.
- .26 Fences.

630.27 Other buildings.

.3 Dictionaries and encyclopedias.

.4 Essays, collected addresses, etc.

.5 Periodicals. See also 634.05.

For general agricultural journals only; those limited to a single subject go under the number for that subject.

.6 Societies—Transactions, proceedings, histories of agricultural societies.

.7 Study and teaching. See also 639.

.71 Public schools.

.72 Colleges.

.73 Teachers' institutes and summer schools.

.74-9 Farmers' institutes, arranged geographically.

.8 Government and state publications.

.9 History; divided as 930-99.

631 Soil; its nature, properties, soil geology.

.1 Soil chemistry.

.11 Organic constituents.

.12 Inorganic constituents.

.13 Analysis.

.131 Chemical.

.132 Mechanical.

.14 Soil physics.

.2 Tillage (breaking, plowing, subsoiling).

.21 Rotation of crops.

.22 Electroculture.

.3 Drainage.

.4 Reclamation.

.5 Irrigation; ground water.

.6 Conservation of moisture.

.7 Drought; Rainfall.

.8 Fertilizers.

.81 History, nature, uses.

.82 Mineral amendments.

.821 Lime.

- 631.822 Marl.
- .83 Potash fertilizers.
- .831 Wood ashes.
- .832 Chlorides.
- .833 Sulphates.
- .84 Nitrogen fertilizers.
- .841 Ammonia.
- .842 Nitrates.
- .843 Organic nitrogen.
- .844 Fish.
- .845 Blood.
- .846 Tankage.
- .847 Vegetable nitrogen fertilizers.
- .85 Phosphoric acid.
- .851 Natural rock.
- .852 Bone.
- .853 Slags.
- .86 Farmyard manures.
- .87 Vegetable manures.
- .871 Muck.
- .872 Leaves.
- .873 Seaweed.
- .874 Green manures.
- .88 Fertilizer experiments.
- .89 Fertilizer inspection and legislation.
- .9 Good roads and agriculture. See also 625.7.

632 Pests and hindrances to plant and animal growth.

- .1 Beneficial insects.
- .2 Harmful insects.
- .21 Affecting animals.
- .211 Flies.
- .212 Lice.
- .3 Affecting plants.
- .31 Locusts.
- .32 Chinch bug.

- 632.33 Hessian fly.
- .34 Caterpillars and moths.
- .35 Beetles.
- .36 Weevil.
- .37 Other.
- .4 Repression—Insecticides.
- .5 Insect parasites and diseases.
- .6 Diseases of agricultural plants.
- .61 Fungus and parasitic diseases.
- .62 Non-parasitic.
- .63 Remedies, fungicides, etc.
- .7 Weeds.
- .8 Thistles and poisonous plants.

633 Field crops.

- .1 Grain crops—Cereals.
- .11 Wheat.
- .12 Buckwheat.
- .13 Oats.
- .14 Rye.
- .15 Corn.
- .16 Kafir corn.
- .17 Broom corn.
- .18 Millet.
- .19 Barley.
- .2 Rice.
- .3 Cotton.
- .4 Fibre crops.
- .41 Hemp.
- .42 Flax.
- .43 Jute.
- .44 Other (Ramie, Sisal).
- .5 Alkaloidal plants.
- .51 Tobacco.
- .52 Tea.
- .53 Coffee.
- .54 Cocoa.

- 633.55 Poppy.
- .56 Kola.
- .57 Cinchona.
- .58 Other (Cacao).
- .6 Forage crops—Grasses.
- .61 Blue grass.
- .62 Orchard grass.
- .63 Red top grass.
- .64 Timothy.
- .65 Cereal grasses.
- .66 Prairie or native grasses.
(Buffalo, Grama, Bunch, etc.)
- .67 Others (Bermuda grass).
- .7 Forage crops—Legumes.
- .71 Alfalfa.
- .72 Clovers.
- .73 Cowpeas.
- .74 Soy beans.
- .75 Vetchs.
- .76 Other.
- .8 Root crops used as field crops.
- .9 Sugar yielding plants.
- .91 Cane.
- .92 Sorghum.
- .93 Sugar beets.
- .94 Maple.
- .95 Palm.
- .96 Other.

634 Horticulture.

- .01 Culture.
- .011 Choice, preparation and tillage of soil.
- .012 Germination.
- .013 Propagation.
- .014 Planting and transplanting.
- .015 Training, cutting, pruning, and minor treatment.
- .016 Spraying and treatment for insects.

- 634.017 Protection from winds, frost, hail, etc.
- .018 Protection from weeds and poisonous plants.
- .019 Forcing.
- .02 Plant breeding.
- .021 Acclimatization.
- .022 Crossing and hybridizing.
- .023 Selection.
- .03 Dictionaries and encyclopedias.
- .04 Essays, collected addresses, etc.
- .05 Periodicals.
- .06 Publications of societies.
- .07 Study and teaching.
- .08 Harvesting, curing, and storing horticultural crops.
- .09 History, 930-99.

Use these 0 headings if desired under 634.2.

- .1 Garden crops—Kitchen gardening. .
- .12 Radicaceous esculents.
- .121 Potato.
- .1211 Sweet potato.
- .122 Horse radish.
- .123 Radish.
- .124 Parsnip.
- .125 Carrot.
- .126 Salsify.
- .127 Turnip.
- .128 Beet (when not used for sugar).
- .129 Other.
- .13 Brassicaceous, spinaceous, and acetariaceous esculents.
- .131 Cabbage and kale.
- .132 Kohl rabi.
- .133 Cauliflower and broccoli.
- .134 Lettuce.
- .135 Celery.
- .136 Cress and mustard.
- .137 Endive.

- 634.138 Spinach.
 - .139 Other spinaceous plants.
(Rhubarb, Chard, Orach, Sorrel.)
 - .14 Alliaceous esculents.
 - .141 Onion.
 - .142 Leek.
 - .143 Garlic.
 - .144 Other.
 - .15 Asparagaceous esculents.
 - .151 Asparagus.
 - .152 Artichoke, chicory, cardoon.
 - .153 Sea kale.
 - .154 Other.
 - .16 Leguminaceous esculents.
 - .161 Pea.
 - .162 Bean.
 - .163 Other.
 - .17 Cucurbitaceous esculents.
 - .171 Cucumber.
 - .172 Melon.
 - .173 Squash.
 - .174 Pumpkin.
 - .175 Other.
 - .18 Solanaceous esculents.
 - .181 Tomato.
 - .182 Egg plant.
 - .183 Red pepper.
 - .184 Physalis.
 - .185 Other.
 - .19 Cryptogamic esculents.
 - .191 Mushroom.
 - .192
 - .193
 - .194 Other.
 - .2 Pomology—Fruit culture.
- Use 0 form divisions given under 634.

- 634.21 Pomaceous fruits.
 - .211 Apple.
 - .212 Pear.
 - .213 Quince.
 - .214 Other.
- .22 Drupaceous fruits.
 - .221 Apricot.
 - .222 Cherry.
 - .223 Date.
 - .224 Nectarine.
 - .225 Olive.
 - .226 Peach.
 - .227 Persimmon.
 - .228 Plum.
 - .229 Other.
- .23 Citrous fruits.
 - .231 Orange.
 - .232 Lemon.
 - .233 Lime.
 - .234 Citron.
 - .235 Fig.
 - .236 Banana, Plantain.
 - .237 Pineapple.
 - .238 Other.
- .24 Nut fruits.
 - .241 Chestnut.
 - .242 Peanut.
 - .243 Hickory.
 - .244 Pecan.
 - .245 Walnut.
 - .246 Hazelnut.
 - .247 Cocoanut.
 - .248 Other.
- .25 Small fruits—Bush fruits.
 - .251 Blackberry.
 - .252 Cranberry.

- 634.253 Currant.
- .254 Dewberry.
- .255 Gooseberry.
- .256 Juneberry.
- .257 Raspberry.
- .258 Mulberry.
- .259 Strawberry.
- .26 Viticulture—Grapes.
- .261 Propagation, budding, cutting, layering, and grafting.
- .262 Training and pruning.
- .263 Diseases.
- .264 Insect enemies.
- .265 Raisins.
- .266 Wine (not manufacture but all questions of raising grapes for wine).
- .3 Floriculture; general works.
 - Use 0 form divisions given under 634. All books on the arrangement of flowers for artistic effect will go in 716 and its subheads. Only practical questions of culture and care will go here.
- .31 Greenhouse construction.
- .32 Greenhouse management.
- .33 Conservatories.
- .34 Hot-beds; cold frames.
- .35 Window and balcony gardens; House plants.
- .4 Outdoor floriculture.
- .41 Bedding out.
- .5 Bulbous and tuberous flowers.
 - .51 Lilies.
 - .52 Tulip.
 - .53 Dahlia.
 - .54 Hyacinth.
 - .55 Crocus and snowdrop.
 - .56 Gladiolus.
 - .57 Narcissus.

634.58	Oxalis.
.59	Other (Peony; Jonquil; Daffodil; Amaryllis).
.6	Cut flowers.
.61	Carnation.
.62	Chrysanthemum.
.63	Orchid.
.64	Rose.
.65	Violet.
.66	Other.
.7	Annuals.
.71	Phlox.
.72	Petunia.
.73	Sweet pea.
.74	Aster.
.75	Nasturtium.
.76	Verbena.
.77	Heliotrope.
.78	Pansy.
.79	Geranium.
.8	Other flowers.
.81	Azalia.
.811	Anemone.
.812	Clematis.
.813	Fuchsia.
.814	Begonia.
.815	Camellia.
.816	Lobelia.
.817	Daisy.
.83	Non-flowering plants (ornamental).
.831	
.832	
.833	
.834	
.835	
.836	Foliage plants.
.84	Ferns.

- 634.85** Trees and shrubs. See 634.9, Forestry.
- .86** Hedges.
- .9** Forestry.
- .91** Planting.
- .92** Protection.
- .93** Diseases.

635 Foods, forage, feeding, fodder, general works.

- .1** Composition and valuation of foods.
- .2** Nutritive values.
- .3** Preparation and use.
- .4** Food analysis.
- .5** Food experiment not limited to one sort of animal.
 Swine, 636.43, etc.
- .6** Adulteration of foods for animals.
- .7** Preservation.
- .71** Ensilage.
- .8**
- .9**

636 Animal husbandry—Zootechny.

- .1** Horses.
- .11** Pedigree records—Stud books.
- .112** Norman.
- .113** Percheron.
- .114** Clydesdale.
- .115** English thoroughbred.
- .116** English coach—Yorkshire coach.
- .1161** French coach.
- .117** Morgans.
- .118** Cleveland bay.
- .119** Shetland ponies.
- .1191** Other breeds arranged alphabetically.
 (American trotting horse, Hackneys, Suffolk
 punch, etc.)
- .12** Breeding.
- .13** Feeding and care.

- 636.14 Diseases. See also 619.1.
- .141 Albuminuria.
- .142 Anthrax.
- .143 Colic.
- .144 Distemper
- .145 Glanders.
- .146 Mange
- .147 Other.
- .15 Training and education.
- .16 Mules and asses.
- .2 Cattle.
- .21 Pedigree records—Herd books.
- .22 Beef breeds.
- .221 Shorthorns.
- .222 Herefords.
- .223 Aberdeen Angus.
- .224 Galloway.
- .225 West Highland.
- .226
- .227 Other.
- .23 Dairy breeds.
- .231 Channel island cattle.
- .2311 Alderney.
- .2312 Jersey.
- .2313 Guernsey.
- .232 Ayrshire.
- .233 Holstein.
- .234 Dutch belted.
- .235 American Holderness.
- .236
- .237 Other.
- .24 Dual-purpose breeds.
- .241 Brown Swiss.
- .242 Devon.
- .243 Normandy.
- .244 Simeon Thaler.

- 636.245 Polled Durham.
- .246 Red polled.
- .247
- .248
- .249 Wild cattle used in agriculture.
(Bison, Bos, Buffalo, Wild white, Zebu.)
- .25 Breeding.
- .26 Feeding and care.
- .27 Diseases. See also 619.2.
- .271 Actinomycosis.
- .271 Actinomycosis. (Lump jaw.)
- .273 Cornstalk disease.
- .274 Milk fever.
- .275 Pneumonia.
- .276 Rabies.
- .277 Tuberculosis.
- .278 Poisoning.
- .279 Other.
- .3 Sheep.
- .31 Pedigree records—Flock books.
- .32 Wool breeds.
- .321 Merino.
- .322 Rambouillet.
- .323 Saxony.
- .324 Silesian.
- .325 Delain.
- .326 Wensleydale long wool.
- .327
- .328
- .33 Mutton breeds.
- .331 Dorset.
- .332 Lester.
- .333 Lincoln.
- .334 Shropshire.
- .335 Southdown.
- .336 Oxford down.

- 636.337 Suffolk.
- .338 Cotswold.
- .339 Other varieties (Cheviot, Asiatic, Alpaca, Black face).
- .34 Breeding.
- .35 Feeding and care.
- .36 Diseases. See also 619.3.
- .361 Albuminuria.
- .362 Bronchitis.
- .363 Colic.
- .364 Foot rot.
- .365 Lung worm disease.
- .366 Tapeworm.
- .367 Sheep botfly.
- .368 Parturition.
- .369 Other.
- .37 Wools.
- .38 Goats.
- .381 Angora.
- .382 Cashmere.
- .383 Other.
- .4 Swine.
- .41 Pedigree records.
- .411 Berkshire.
- .412 Chester white.
- .413 Duroc-Jersey.
- .414 Essex.
- .415 Poland China.
- .416 Tamworth.
- .417 Yorkshire.
- .418 Victoria.
- .419 Cheshire.
- .4191 Other.
- .42 Breeding.
- .43 Feeding and care.
- .44 Diseases. See also 619.4.

- 636.441 Apoplexy.
- .442 Black teeth.
- .443 Canker.
- .444 Colic.
- .445 Cholera.
- .446 Worms.
- .447 Other.
- .5 Poultry.
- .51 Breeding; incubating.
- .52 Feeding and care.
- .53 Diseases.
- .54 Eggs.
- .6 Birds.
- .61 Pigeons.
- .62 Turkeys.
- .63 Ducks.
- .64 Geese.
- .65 Guinea fowl.
- .66 Other.
- .7 Dogs.
- .71 Pedigree records.
- .72 Breeding.
- .73 Care.
- .74 Diseases.
- .75 Education and training.
- .8 Cats.
- .81 Care.
- .82 Diseases.
- .9 Other animals.
- .91 Rabbits.
- .92 Camels.
- .93 Fish.
- .94 Oyster.
- .95 Other.

637 Dairy farming.

- .1 Milk; composition and chemistry; properties.

- 637.12 Bacteriology of milk.
- .13 Creaming.
- .14 Milk testing.
- .15 Milk inspection.
- .2 Quantity as affected by feeding.
- .3 Quality as affected by feeding.
- .4 Butter.
- .41 Churning and churns.
- .42 Creameries.
- .43 Butter testing.
- .44 Creamery records.
- .5 Chemistry and bacteriology.
- .6 Quantity as affected by feeding.
- .61 Quality as affected by feeding.
- .7 Cheese.
- .8 Cheese making and factories.
- .9 Chemistry and bacteriology of cheese.

638 Apiculture.

(Use 0 form divisions if desired.)

- .1 Honey plants.
- .2 Silkworms.
- .3

639 Agricultural experiment stations.

- .1 Organization.
- .2 Equipment.
- .3 Legislation.
- .4-9 History and publications.
 - Book number Bulletins, B.
 - Book number Reports, R.

Government publications, e. g., Experiment Station Record and publications of the Office of Experiment Stations, take No. 639.73.

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